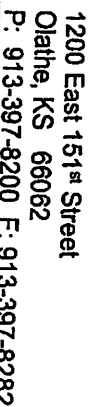


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THE
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AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AVIONICS
MAINTENANCE
RECORDS**



Subject: Authorization for STC Use
AML STC SA01714WI

Emmett Griffith
Director of Engineering
Garmin International, Inc.

20180711eg01
Page 1 of 1

CESSNA N141PB WRO 71103
INSTALL GARMIN ADSB GTX-335 Part number 010-01214-01 S/N 3EE021945 IN PLACE OF EXISTING GTX327
PERFORMED IFR CERTIFICATION
This aircraft altimeter, encoder and transponder has been tested up to 30,000 feet and inspected as required by FAR Part 91.411 and 91.413 and found to comply with FAR Part 43, Appendices E&F.
All work was performed IAW AC 43.13 1B & 2B and the equipment Manufacturer's installation manual.
An electrical load analysis was performed and found that the continuous load of the alternator does not exceed 80% of alternator capacity.
The Weight, Balance and Equipment List were revised and an appropriate logbook entry was made.
Instructions for continuous airworthiness require a visual inspection of the individual units and proper labeling and operational test annually IAW the manufacturer's instructions and FAR 43 Appendix D

Signed: DANA LIBERTONE

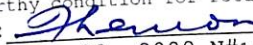
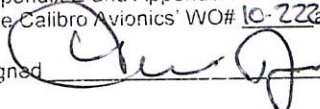
Date 3/8/2020

Date 3/6/2020
The Avionics Specialists, Inc.

The Avionics Specialists, Inc.
FAA-Approved Repair Station No.S3DR062N

[illegible]

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
				4151 N Main St. Fort Worth Texas 76106 817-625-2719
			A/C Tail A/C S/N Date:	N141PB 42066 5/18/2007
Installed Avidyne SB #601-00004-074 software version 6.2.1 on Avidyne MFD P/N 700-00004-104 S/N 24952155. System operations check good on ground. This aircraft and/or component was repaired and/or inspected in accordance with current FAA regulations and approved for return to service.				
			RS # WR1R594K WO# 103627	 Tom Fowles General Manager
				4151 N Main St. Fort Worth Texas 76106 817-625-2719
			A/C Tail A/C S/N Date:	N141PB 42066 5/18/2007
Installed Garmin software version 5.01 on Garmin #2 Comm P/N 011-00280-10 S/N 97125897. System operations check good on ground. This aircraft and/or component was repaired and/or inspected in accordance with current FAA regulations and approved for return to service.				
			RS # WR1R594K WO# 103629	 Tom Fowles General Manager

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			
			PFD EX 5000, S/N 24868155 was upgraded to Rel. 7 by Avidyne. Upgrade performed by Avidyne. Avidyne EX 5000 MFD, S/N 24952155 was upgraded to Release 7 per Avidyne Service Bulletin 601-00004-077. Garmin GNS 430s, P/N 011-00280-10, S/Ns 9725749 & 97125897 modified by Garmin to WAAS units GNS 430Ws, P/N 011-01060-40, same S/Ns. Units reinstalled per STC SA01933LA and configurations set. GA 56 antennas replaced with specified Garmin GA 35 WAAS antennas. Reused previously installed RG 400 coax. All required post-installation calibrations & checks were performed and all operations were found to be satisfactory. New operator's guides & Instructions for Continued Airworthiness for all equipment were provided. Supplied revised AFMS Garmin P/N 190-00356-03 for GNS 430Ws. -----END----- The components identified above were modified, installed, and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service. Signed:  Dated: Jan. 23, 2009 N#141PB Lancair LC42-550FG S/N 42066 Flight: N/A TTSN: N/A HOBBS: 470.6 For more info see w/o # 33146 FAA Repair Station Certification # WQ3R954L 101 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580
12/30/08			STEC 55 Backlight repaired by STEC - see 8130-3 for Return to service
8/24/10			Calibro Avionics FAA CRS# V94R452Y 561 Sky Ranch Dr. Suite I, Hangar 18A Petaluma, CA 94954 707-775-4756 Aircraft <u>COLUMBIA</u> Reg No. <u>N141PB</u> An encoder, transponder, altimeter integration test was Performed as required by FAR Part 91.411 (a)(3) and 91.413(b) and found to comply with FAR Part 43 Appendix E and Appendix F. See Calibro Avionics' WO# <u>10-223</u> and Form CA 021 for details. Signed:  Date <u>24 AUG 10</u>

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5-06-05	0	0	 The Garmin GTX 327 Mode C Transponder, S/N 84114094 was tested as required by FAR 91.413, Lancair Document SB240001 Rev - , and was found to comply with FAR Part 43 Appendix F. <i>Chad Palmer</i> Authorized Signature for The Lancair Company
			 N141PB Hobbs: 75.00 Date: 12-16-2005 Lancair LC42-550FG S/N: 42066 Relocated storm scope antenna in accordance with Columbia service letter SL-05-022, Stormscope Antenna Relocation, dated November 29, 2005. Calibrated analog tachometer in accordance with Columbia document MX3001100. Weight and balance change negligible. This aircraft is in airworthy condition with respect to the work performed and is approved for return to service. <i>Edward A. Wakefield</i> Edward A. Wakefield A&P 2836947

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			 4151 N Main St. Fort Worth Texas 76106 817-625-2719 A/C Tail N141PB A/C S/N 42066 Date: 11/27/2006 Swapped Antenna coax on back of #1 and #2 Comms. System operations check good on ground. This aircraft and/or component was repaired and/or inspected in accordance with current FAA regulations and approved for return to service. RS # WR1R594K WO# 101438 <i>Ricardo Salazar</i> Ricardo Salazar Chief Inspector
			 4151 N Main St. Fort Worth Texas 76106 817-625-2719 A/C Tail N141PB A/C S/N 42066 Date: 11/27/2006 Removed L3 Communications Stormscope Antenna P/N 805-10930-001 S/N 8829 for exchange. Installed S/N 89007. System operations check good on ground. This aircraft and/or component was repaired and/or inspected in accordance with current FAA regulations and approved for return to service. RS # WR1R594K WO# 101435 <i>Tom Fowles</i> Tom Fowles General Manager

AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. A

Aircraft Registration No. N141PB
Aircraft Manufacturer The Lancair Co.
Model LC 42-550 FG
Serial No. 42066

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

Mfg.	Model	Serial No.
1. <u>Garmin</u>	<u>430</u>	<u>97126749</u>
2. <u>Garmin</u>	<u>430 #2</u>	<u>97125897</u> <u>9712578</u> ⁵⁸⁹⁷
3. <u>"</u>	<u>GMA 340 Audio Panel</u>	<u>96272134</u>
4. <u>Garmin</u>	<u>GTX 327 transponder</u>	<u>84114094</u> ³³⁷¹⁹⁹²⁰ _{7 PU 8500 000 13-200}
5. <u>Avidyne</u>	<u>MFD 5000</u>	<u>SN# 24952155</u> ⁷⁰⁰ _{PN 8500-0004-104}
6. <u>Avidyne</u>	<u>PFD</u>	<u>SN# 24868155</u> _{PN 8500-00018-00}
7. <u>Ryan</u>	<u>9900 BX PIV 70-2420</u>	<u># 0502489</u>
8. <u>Ryan</u>	<u>70-2040 XPDR coupler</u>	<u># 050286</u>
9. <u>Ryan</u>	<u>70-2410 L-BAND Ant.</u>	<u>TOP 2476 Bottom 2498</u>
10. <u>MD Continent</u>	<u>MD 160-2 MAP/Fuel flow</u>	<u>B05-1125</u>
11. <u>"</u>	<u>MD 162-1 Oil temp/press</u>	<u>A05-10349</u>
12. <u>"</u>	<u>MD 163-2 Fuel level w/LEDs</u>	<u>C05-12201</u>
13. <u>"</u>	<u>MD 158 Dual Ammeter</u>	<u>C05-11805</u>
14. <u>Wheelen Engin</u>	<u>MD 165-1 Tachometer</u>	<u>C05-10532</u>
15. <u>Wheelen Engin</u>	<u>A413A-HAD-CE Power Supply Strobe</u>	<u>34718</u>
16. <u>United Instruments</u>	<u>5934AD3-A616 Altitude Lighted</u>	<u>445165</u>
17. <u>"</u>	<u>7040-C 182 Vertical Speed Indicator</u>	<u>NA</u>
18. <u>"</u>	<u>8130-B.793 Airspeed Ind</u>	<u>186178</u>
19. <u>STEC</u>	<u>go to back page</u>	
20. <u>"</u>		



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